

I claim:

1. A mobile power plant for supplying emergency electrical power to buildings comprising
 - a) a hybrid motor-generator vehicle adapted for conversion to stationary power supply service by fixed-site operation of the said motor-generator means,
 - b) an electrical service entry means for switchably connecting pre-existing demand back and forth between usual site power supply and this emergency plant, said entry comprising only minor site construction which may or may not require permitting, depending on jurisdiction, and
 - c) pre-engineered and pre-qualified power adaptation and transmission means freed by such pre-engineering and pre-qualification of certain requirements for site construction and associated delays of engineering plan preparation, submission, review, hearing, and/or permitting.
2. The plant of claim 1 comprising
 - d) pre-engineered and pre-qualified fuel receipt and conveyance means for environmentally correct mounting and fueling of said means a during power supply by said plant, and wherein said fueling is from fuel cars in the train of said mobile plant.
3. Claim 1 wherein said hybrid vehicle is a diesel-electric railway locomotive,
4. Claim 1 wherein said hybrid vehicle is a diesel-electric automobile or truck.

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5. Claim 1 wherein said means c comprises an inverter
6. Claim 1 wherein said means c comprises a transformer.
7. Claim 1 wherein said means c comprises a self-erecting transmission-line pole means founded on or with said means a or b of said plant to carry said emergency power.
8. Claim 7 comprising a second self-propelled and self-erecting pole means independent of the first-said pole means.
9. Claim 7 wherein said pole means comprises automatic control-system interlock to inhibit motion of said pole means during said emergency powering.
10. Claim 1 wherein said means b comprises automatic control-system switching between said emergency powering and normal and usual power supply according to sensors therein sensing demand and supply.
11. Claim 1 wherein said means b comprises a circuit-breaker-substitute body for placement in the space of a pre-existing circuit-breaker and comprising manual switching between said means c and the usual normal power supply.
12. Claim 1 wherein said means c comprises an inverter and said means b comprises a circuit-breaker.

13. Permanent provision of emergency conversion of the motive electric power of a hybrid vehicle to serve a building comprising
- a) means on said vehicle to tap into said motive power to carry said power out, and
 - b) service entry and conversion means installed on or about said building to receive said motive power from said tap to convert said motive power to the usual type of AC electrical service in the said building.
14. For emergency transmission of electrical power across a space, a vehicle with a self-erecting transmission-line pole thereon and having self-founding jack means and ballast means for stabilizing said pole during transmission as said, said self-erection for enabling quick commencement of said transmission without permanent construction.
15. Claim 14 wherein said pole means is a portable hydraulic crane of the prior art adapted to stationary said transmission use by insulator means on the boom thereof and wherein said crane is adapted to shift back and forth between said emergency transmission use and said prior art use.
16. Claim 14 wherein said ballast comprises two parts, i.e.
- a) the weight of said vehicle, and
 - b) a dead weight portable separately from said vehicle.
17. Claim 14 wherein said self-erecting means has interlock means prohibiting said self-erection when and while said transmission-line is energized.

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Figure 1. The ^{13}C NMR spectra of the polyimides 1a–1f. The chemical structures of the polyimides 1a–1f are shown in the inset.

18. A portable emergency electrical power plant comprising
- a) self-carried and self-installing walking jacking foundation footing means and
 - b) self-carried and self-installing transmission-line boom means for carrying said electrical service at least part way to pre-existing onshore demand.
19. Claim 18 comprising
- c) self-carried and self-installing means for founding and receiving fuel carrier and storage tank cars to serve as fuel tanks for the said electrical power while supplying said power,
- wherein a, b, and/or c above enable said plant
- w) to go into service without permanent site construction permitting,
 - x) to go into service without the delay of permanent construction,
 - y) to go into service without the obstruction of public ways, and/or
 - z) to go into and out of service without site demolition or reconstruction.
- wherein.
20. Claim 18 wherein said plant comprises a marine vessel and wherein said foundation is for safely stabilizing said vessel without infrastructure near an onshore demand and said transmission line boom means comprises a pole truck held by outrigger jacking footings for safe transmission of power from said plant to said demand.